

CLAIMS

1. A loudspeaker copper foil wire comprising a copper foil wire body impregnated or coated with a flame resistant wax, the flame resistant wax comprising a petroleum paraffin wax and 5wt% to 50wt% of a halogen-free aromatic condensation phosphoric ester flame retardant.
2. A loudspeaker copper foil wire as set forth in claim 1, wherein the halogen-free aromatic condensation phosphoric ester flame retardant has a melting point of 80°C to 140°C and a decomposition temperature of not lower than 250°C.
3. A loudspeaker copper foil wire as set forth in claim 1 or 2, wherein the copper foil wire body includes a plurality of core threads each wrapped with a copper foil and braided or stranded.
4. A loudspeaker comprising:
 - a magnetic circuit;
 - a frame mounted on the magnetic circuit;
 - a voice coil fitted in a magnetic gap of the magnetic circuit;
 - a vibration diaphragm having an inner rim connected to the voice coil and an outer rim connected to the frame;
 - an external connection terminal attached to the frame; and
 - a pair of copper foil wires connected to opposite ends of the voice coil at one-side ends thereof and connected to the external connection terminal at the other-side ends thereof;wherein the copper foil wires each comprise the loudspeaker copper foil wire as recited in any of claims 1 to 3.